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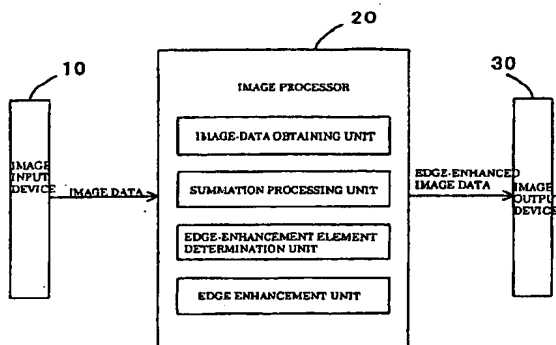
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## (54) Edge-enhancement processing apparatus and method

(57) An edge-enhancement processing apparatus which removes problems of the conventional edge enhancement processing, which requires checking by an operator's visual observation or a high-frequency band filter, thus complicating the construction. A computer main body 21, as the nucleus of edge enhancement processing, calculates an edge amount as vector change level while generating a vector based on the difference values of data between adjacent pixels, at step

S110, then selects and integrates edge amounts of only pixels having large edge amounts at steps S120 and S130, and obtains the mean value at step S230, to obtain the sharpness level of the image while adding attention to the pixels having large image change levels. The computer main body 21 determines an edge enhancement level Eenhance based on the image sharpness level. Thus, the computer main body 21 automatically performs edge enhancement processing at an optimum enhancement level.

FIG. 1





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# EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 5 271 064 A (DHAWAN ATAM P ET AL) 14 December 1993	1-5,9,10	G06T5/00
Y	* abstract *	8,11	
A	* column 3, line 26 - line 54 *	6,7	
	* column 4, line 39 - line 51 *		
	* column 6, line 23 - line 41; figure 2 *		
Y	US 5 513 016 A (INOUE YOSHIKI) 30 April 1996	8,11	
	* abstract *		
	* column 6, line 29 - line 34 *		
	* column 9, line 18 - line 23; figure 9 *		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			G06T
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		25 November 1998	Gonzalez Ordenez, O
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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